

ABSTRACT

A transfer heat press which is intended for use with a rotary screen printing machine, incorporates a C shaped frame mounted on a support and moveable vertically relative to said support. A heater platen is mounted to the top of the C frame. A lower platen adapted to support the pallet of the rotary screen printing machine is mounted on the lower part of the C frame. The lower platen is moveable toward the upper platen. The lower platen applies a force to the underside of the pallet arm of a screen printing machine which results in the platen frame being allowed to move downwardly. This downward movement is guided and cushioned by a pneumatic or hydraulic spring. This arrangement means that the force on the pallet arm is equal to the weight of the platen frame less the upthrust of the pneumatic hydraulic ram. This reduces the risk of damage to the pallet arm.